

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER P30408US01/18770.005 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/588267
INTERNATIONAL APPLICATION NO. PCT/US2005/003665	INTERNATIONAL FILING DATE 09 February 2005 (09.02.2005)	PRIORITY DATE CLAIMED 09 February 2004 (09.02.2004)
TITLE OF INVENTION: Methods for Reducing Particulate Matter Emissions from Diesel Engine Exhaust Using Ethanol/Diesel Fuel Blends in Combination with Diesel Oxidation Catalysts		
APPLICANT(S) FOR DO/EO/US Alan Robert Semple RAE and Robert Leslie HALL		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/588267		INTERNATIONAL APPLICATION NO. PCT/US2005/003665		ATTORNEY'S DOCKET NUMBER P30408US01/18770.005	
20. Other items or information: a) a copy of a Notification of the International Application Number and of the International Filing Date; b) a copy of a Notification of Receipt of Search Copy; c) a copy of a Notification of Receipt of Record Copy; d) a copy of a Notification Concerning Submission or Transmittal of Priority Document; e) a copy of a Notification of Transmittal of the International Search Report or the Declaration with references; f) a copy of a Written Opinion of the International Searching Authority; g) a copy of a Notification Concerning Transmittal of Copy of International Application as Published or Republished and a copy of Published International Application No. WO 2005/077495 A1; h) a copy of a First Notice Informing the Applicant of the Communication of the International Application (To Designated Offices Which Do Not Apply the 30 Month Time Limit Under Article 22(1)); i) a copy of a Communication in Cases for Which No Other Form is Applicable; and j) a copy of a Second and Supplementary Notice Informing the Applicant of the Communication of the International Application (To Designated Offices Which Apply the 30 Month Time Limited Under Article 22(1))					
The following fees have been submitted:				Calculations	PTO Use Only
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300.00				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations \$200.00				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee..... \$500.00 If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Search Authority \$100.00 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400.00 All other situations \$500.00				\$ 100.00	
TOTAL OF 21, 22 and 23 =				\$ 600.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				\$ - 0 -	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	Rate		
-100=	/50=	-0-	X \$250.00	\$ - 0 -	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	10 - 20 =	- 0 -	x \$ 50.00	\$ - 0 -	
Independent claims	1 - 3 =	- 0 -	x \$ 200.00	\$ - 0 -	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$ 360.00	\$ - 0 -	
TOTAL OF ABOVE CALCULATIONS =				\$ 730.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$ 730.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ - 0 -	
TOTAL NATIONAL FEE =				\$ 730.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				- 0 -	
TOTAL FEES ENCLOSED =				\$ 730.00	
				Amount to be refunded:	\$
				charged:	\$

U.S. APPLICATION NO. (If known, use 37 CFR 1.6)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER
To Be Assigned 10/588287	PCT/US2005/003665	P30408US01/18770.005

a. ☐ A check in the amount of _____ to cover the above fees is enclosed.

b. ☒ Please charge my Deposit Account No. 50-2387 in the amount of \$730.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.


c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2387. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.496 has not been met, a petition to revive (37 CFR 1.137(a)) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer No. 28381


SIGNATURE

Lisa A. Adelson (Reg. No. 51,204)

Date: August 3, 2006

10/588267

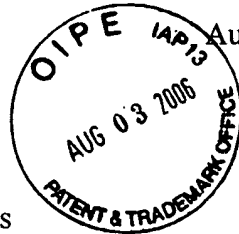
ARNOLD & PORTER LLP

1AP11 Rec'd PCT/PTO 03 AUG 2006

Lisa A. Adelson
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555 Twelfth Street, NW
Washington, DC 20004-1206



August 3, 2006

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: U.S. National Phase Application Under §371
Based on International Application No. PCT/US2005/003665
International Filing Date: 09 February 2005
Appln. No.: To Be Assigned
Filed: Herewith
Title: **Methods for Reducing Particulate Matter Emissions from
Diesel Engine Exhaust Using Ethanol/Diesel Fuel Blends in
Combination with Diesel Oxidation Catalysts**
Applicants: Alan Robert Semple RAE *et al.*
Atty. Docket: P30408US01/18770.005

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office (PTO):

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US)
Concerning a Filing Under 35 U.S.C. 371 (in duplicate);
2. a copy of International Application No. PCT/US05/003665 as filed:

**Methods for Reducing Particulate Matter Emissions from Diesel
Engine Exhaust Using Ethanol/Diesel Fuel Blends in
Combination with Diesel Oxidation Catalysts**

and naming as inventors:

Alan Robert Semple RAE and Robert Leslie Hall;

the application containing:

- (i) 13 pages of a description prior to claims;
 - (ii) 2 pages of claims (10 claims);
 - (iii) a one page abstract;
- 3. a copy of a Notification of the International Application Number and of the International Filing Date;
 - 4. a copy of a Notification of Receipt of Search Copy;
 - 5. a copy of a Notification of Receipt of Record Copy;
 - 6. a copy of a Notification Concerning Submission or Transmittal of Priority Document;
 - 7. a copy of a Notification of Transmittal of the International Search Report or the Declaration with three (3) references;
 - 8. a copy of a Written Opinion of the International Searching Authority;
 - 9. a copy of a Notification Concerning Transmittal of Copy of International Application as Published or Republished and a copy of Published International Application No. WO 2005/077495 A1;
 - 10. a copy of a First Notice Informing the Applicant of the Communication of the International Application (To Designated Offices Which Do Not Apply the 30 Month Time Limit Under Article 22(1));
 - 11. a copy of a Communication in Cases for Which No Other Form is Applicable;
 - 12. a copy of a Second and Supplementary Notice Informing the Applicant of the Communication of the International Application (To Designated Offices Which Apply the 30 Month Time Limit Under Article 22(1)); and
 - 13. two (2) return postcards.

ARNOLD & PORTER LLP

Commissioner for Patents
Atty. Docket: P30408US01/18770.005
August 3, 2006
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Applicants request that \$730.00 for the following fees be charged to Deposit Account No. 50-2387, referencing matter number 18770.005:

<u>\$300.00</u>	Basic National fee
<u>\$200.00</u>	Examination fee
<u>\$100.00</u>	Search fee
<u>\$130.00</u>	Surcharge for furnishing the oath or declaration later than 30 months from the earliest claimed priority date.

Please stamp one of the two attached postcards with the filing date of these documents and return it to our courier, and stamp the other prepaid postcard with the filing date and unofficial application number and return it as soon as possible.

Applicants do not believe any additional fees are due in conjunction with this filing. However, if any additional fees are required in the present application, then the Commissioner is hereby authorized to charge such fees to Arnold & Porter Deposit Account No. 50-2387, referencing matter number 18770.005. A duplicate of this letter is enclosed.

Respectfully submitted,



David R. Marsh (Reg. No. 41,408)
Lisa A. Adelson (Reg. No. 51,204)

Attachments